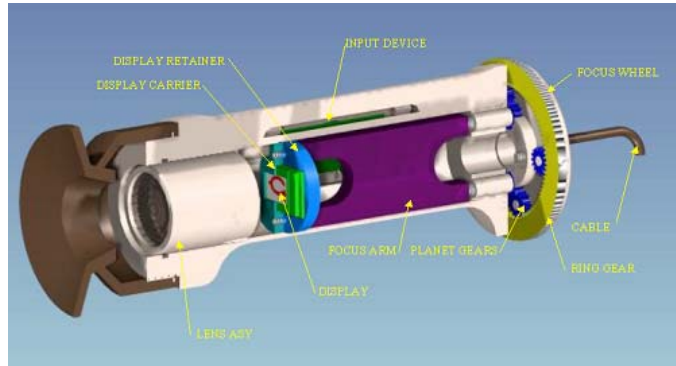


Immersive Input Display Device (I2D2)



The Naval Research Laboratory has developed the Immersive Input Display Device (I2D2), a hand-held display which eliminates both daytime readability and nighttime illumination concerns. The monocular display integrates an Organic Light Emitting Diode (OLED) micro-display with an optics assembly to create an SVGA image that is equivalent to that of a desktop monitor. To secure the display screen from light infiltration during the day and light leakage at night, the I2D2 utilizes a pressure activated, rubber eyecup. This feature prevents the micro-display from being visible until the rubber eye guard is depressed. A 3-button mouse integrated into the I2D2's cylindrical frame allows for user input.

Advantages/Features Include:

- Capable of remote monitoring of base station computers
- Eliminates effect of ambient light on the display readability
- Eliminates illumination of the user at night
- Preserves user's night vision in one eye at all times
- Preserves user's awareness of the immediate environment
- Small (7.75"L x 2.50"D) and Lightweight (1.2lb) with low power consumption (650mW)
- Allows for user input to base station computer
- Provides focus adjustment for varying eyesight of users.
- VGA connectivity allows it to be used with standard computer systems

Applications Include:

- Alternative to a computer monitor
- Remote monitoring of a computer's display
- Situational awareness display in both military and public safety environments

Licenses are available to companies with commercial interest.

Points of Contact

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